P. 17 | 1st and final Bill | Original/Duplicate/Triplicate

NO

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka | Sub-division Yelahanka New Town | Date

Bills received No | Date

YNK-DBR No 26
Date 11.11.17

Sub-divisional | Cash book vr No
Divisional | Date

Sheduled Docket No | Head of account P-1802

Name of work(as per sanctioned estimate) :-

Work Code:003-18-000002

NAME OF WORK :Drilling of borewells and providing pipeline of drinking water line of Attur ward no 03

Name of contractor and full address :-

Technical Manager (west)

Reference to agreement No - 92

Estimated cost : 40.00 | Work order No :16, dt 07/09/2017

Certified that the measurments were taken by me on 19/10/17 and recorded on pages 462111 to 462131 of measurment book No HG22 and the work is satisfactorily executed by the contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Signature of contractor

Asst. Engineer

Certified that the measurments were taken by me on 19/10/17 and recorded correct.The work is satisfactorily executed Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon A formal agreement signed and executed by the contractor is recorded in divisional office

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%--------		
3) Balance---	1st and Final	3998685=00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No------dated------S.D No------Amount adjusted towards cash advance recovery of	FSD	259915=00
	CGST	39987=00
	SGST	39987=00
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	IT	79974=00
	LC	39987=00
	CBF	3998=00
Total	T.D	463848=00
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor	Net	3534837=00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Reciept Stamp

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

3998685=00

3534837=00
463848=00

Date | Initials of officer making payment | Date | Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	2	3	4	5	6	7	8	9	10
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P W S S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1 0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging techinical personal and labour required etc., as per Specification and	Each BW			4 00	1882 00	7528.00	4.00	7528.00
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13	Rmtr							
	0 to 50 m				200.00	306.00	61200.00	200.00	61200.00
	50 to 100 m				200.00	400.00	80000.00	200.00	80000.00
	100 to 150 m				200.00	445.00	89000.00	200.00	89000.00
	150 to 200 m				200.001	470.00	94000.00	200.00	94000.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	200 to 250 m								
	250 to 300 m				200.00	544.00	108800.00	200.00	108800.00
	300 to 350 m				200.00	583.00	116600.00	200.00	116600.00
3	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270 2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270 2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty P. iii, I No. 84 PRED SR 2012-13	Rmtr			200.00 199.8	622.00	124400.00 124275	200.00 199.8	124400.00 124275
					300.00	1325.00	397500.00	300.00	397500.00
4	Providing 250mm dia PVC Pipe 6kg/cm BWSSB SR 2014-15 Page No. 53, Item No. 1(ii)	Rmtr			72.00	1100.00	79200.00	72.00	79200.00
5	Providing and fixing 160mm Borewell Cap P. iii, I No. 85 PRED SR 2012-13	Each			4.00	100.00	400.00	4.00	400.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
6	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH, 50 Hz, 380/440 volts AC supply fitted with required eqccessories such as suction, casing suction strainers sand guard Non return value etc complete The pump and motor shall form an integral unit with all the required fittings 12 50 HP 25 stage ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD**	No			5 00	60400 00	302000.00	5.00	302000.00
7	KSRB13-3 6 Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications Specification No KBS 13 2 14 / 13 6 **Page No. 90, Item No. 13.15 PWD SR 2016-17**	m			1622 00	457 92	742746.24	1622.00	742746.24

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
8	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694 1990 & confirming to GTP of **GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 4 Sqm mm KPWD Electrical SR 2014-15**	Mtr			3420 00	126 70	433314.00	3420.00	433314 00
9	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap Cable clips with bolts, nuts, valves guages etc , involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09)	Each			5 00	3000 00	15000 00	5.00	15000 00
10	Supplying and fixing 20"x20"x2 5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc , **P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15**	Each			5 00	302 00	1510.00	5.00	1510.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
11	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq mm wire armoured) confirming to IS-3975 1990 (No of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1 1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr			336.00	140.40	47174.40	336.00	47174.40
12	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr			336.00	10.80	3628.80	336.00	3628.80
13	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR KSRB I-2, P-7) **P No. 61 / I No. 7.9.3 KPWD Electrical SR 2014-15**	Mtr			276.00	85.00	23460.00	276.00	23460.00
14	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15**	Mtr			20.00	345.00	6900.00	20.00	6900.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
15	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15**	No			5.00	280.00	1400.00	5.00	1400.00
16	Supplying, fixing, wiring, earth electrode for grounding conduits, I C cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, **(P No. 55, I No. 7.1) KPWD Electrical SR 2014-15**	No			5.00	2727.00	13635.00	5.00	13635.00
17	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers **P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15**	No			30.00	180.00	5400.00	30.00	5400.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
18	KSRB13-7.1-4 : Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specification No KBS 13.2.10 / 13.13 **Page No. 93, Item No. 13.55, PWD SR 2016-17**	Nos			5.00	1585.76	7928.80	5.00	7928.80
19	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete - **for 50mm dia Page No. 95, Item No. 13.81.3 PWD SR 2016-17**	Each			5.00	227.90	1139.50	5.00	1139.50
20	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete **P. XXXVII PWD SR 2016-17**	No			20.00	104.30	2086.00	20.00	2086.00
21	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 **5-32Amps Group A TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15**	No			5.00	1547.00	7735.00	5.00	7735.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
22	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A C supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum-control panel board unit suitable for operation The panel board shall be fabricated on single unit in the above components for suitable pumpset (PRED Bangalore circle se Approved date	No			5 00	10000 00	50000.00	5.00	50000.00
23	Supplying fully automatic store detta starter unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor upto **12.50 HP (KPWD electrical SR for 2014-15 Page No. 44 Item No. 6.2.1)**	No			5 00	6583 00	32915.00	5.00	32915.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
24	Earth work excavation for water Supply & Sanitary lines, Electrcical conduits either in pits or trenches (for trenches from 601mm to 1500mm width) as per drawing and technical specification, incldung setting out, construction of shoring strutting barricating, danger lighting, bracing, removal of stupms and other deleterious matter dressing of sides and boltom incldung backfilling the excavation earth to the extent required and utilising the remaining earth locally for the work in the follwing classifications by mechcanical means (Item No 1.50,Page No 02) (In ordinary soil/hard soil-(depth upto 3m)	Cum			1628.76 1629.60	40.28	65606 65640.29	1628.76 1629.60	65606 65640.29
25	In ordinary rock (not requiring blasting)	Cum			465.60	53.00	24664 24676.80	465.60	24664 24676.80
26	Providing and installing at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.14 item No.3.4.2 b PRED SR 2012-13.**	Rmtr			465.36 3880.00 3878	123.00	476994 477240.00 476994	465.36 3880.00 3878	476994 477240.00
27	Providing murrum or sand bedding for the pipeline including watering and consolidation by punners etc complete with all lead and lift (In block cotton soil and rock reaches).**P.No 3/Item No1.90/PRED SR 2012-2013**	Cum			349.02 349.29	83.74	29226 29249.54	349.02 349.29	29226 29249.54

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
28	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum			1345.10 1746.00	61	10645 106506.00	1345.1 1746.00	10645 106506.00
29	KSRB13-6 3-7 : Providing and fixing in position brass gate valve with C I wheel of approved quality (screwed end) **65mm nominal bore** including cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specification No KBS 13 2 6 / 13 3 **P. No.92 / I. No. 13.38 PWD SR 2016-17**	Each			30 00	2729 50	81885.00	30.00	81885.00
					TOTAL		3641798.37	3641299	3641798.37
					KRIDL Charges 9%		327761.85	327716	327761.85
					BESCOM		30000.00	029670	30000.00
					Grand TOTAL		3999560.23		3999560.23

Total → 3998685=00

Ward No 03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore